



**GDRR Program Opening Workshop  
August 5-9, 2019**

**SPEAKER TITLES/ABSTRACT**

**James Lambert**  
University of Virginia

“Disrupting Priorities of Engineering Systems”

This talk describes risk and resilience of engineering and enterprise systems to emergent and future conditions including natural and human induced hazards, technologies, regulations, behaviors, markets, demographics, supply chains, workforce, environments, etc. An emphasis is the quantification of risk, resilience, security, and trust as disruptions of systemic priorities. Examples will include a broadband wireless network for public safety, a maritime container port, airport runway safety, an energy grid of developing countries, and bidirectional chargers and microgrids for fleets of electric vehicles.